



Applies To: **Vehicles With an In-Radiator ATF Cooler – ALL**

May 16, 2008

ATF Cooler Cleaner

(Supersedes 89-022, dated June 18, 2004, to update the information marked by the black bars)

Before installing an overhauled or remanufactured A/T, you must thoroughly clean the ATF cooler to prevent system contamination. Failure to do so could cause a repeat A/T failure. The ATF Cooler Cleaner (P/N GTHTTCF6H) is a portable, electrically operated special tool that cleans the ATF cooler with high-pressure, heated ATF. This cleaning action melts down waxy varnish residue left by burnt ATF and purges metal particles, clutch material, and other contaminants. The ATF Cooler Cleaner has these features:

- Quick-connect fittings and color-coded hoses for easy hookup.
- Uses about **9.5 gallons** of Honda ATF-Z1, which gets filtered and recirculated.
- Heats ATF to a temperature of **140° to 150°F** and then pumps it through the ATF cooler at high pressure (**100 psi**) using a pulsating action and air purging. Switching the hoses cleans the ATF cooler in the reverse direction.
- Two magnetic nonbypass spin-on filters to trap purged contaminants.
- Built-in tool tray.

This service bulletin gives you information for ordering and servicing this special tool, and guides you through the entire ATF cooler cleaning process.

REQUIRED MATERIALS

Honda ATF-Z1: P/N 08200-9001

Magnetic Nonbypass Spin-On Filter:

T/N GTHNBP12 (12-pack)

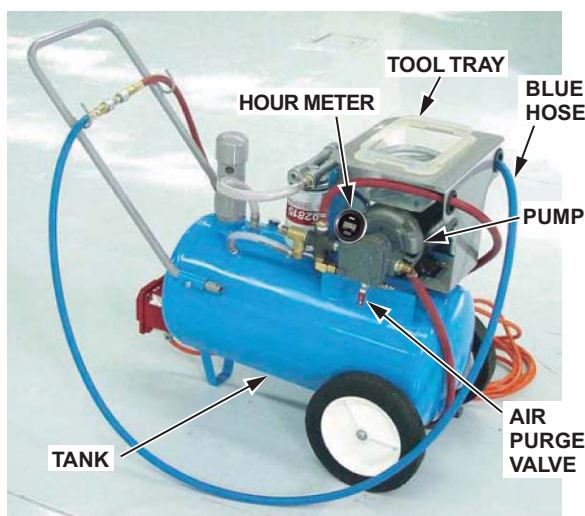
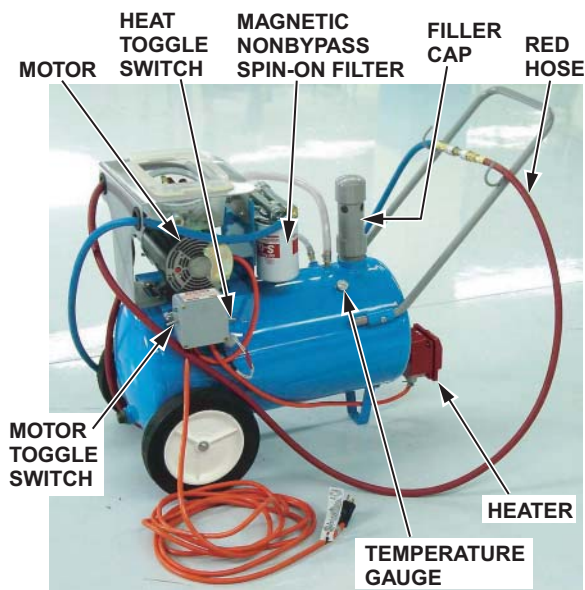
T/N GTHNBP2 (6-pack)

T/N GTHGNBP22 (2-pack)

ORDERING INFORMATION

Additional ATF cooler cleaners or magnetic nonbypass spin-on filters can be ordered through the Honda Tool and Equipment Program at (888) 424-6857. To order on the [IN](#), click on **SERVICE**, then **Service Bay**, then **Tool and Equipment Program**. From the Tool and Equipment Program menu, click on the **Online Catalog** tab, and then search for the desired filter pack by part number.

TOOL DESCRIPTION



ATF COOLER LINE FITTINGS



CLEANING PROCEDURE

The cleaning procedure involves hot fluid under high pressure. Check the security of all hoses and connections. Always wear safety glasses or a face shield, gloves, and protective clothing. If you get ATF in your eyes or on your skin, rinse with water immediately.

⚠ WARNING

Improper use of the ATF cooler cleaner can result in burns and other serious injuries.

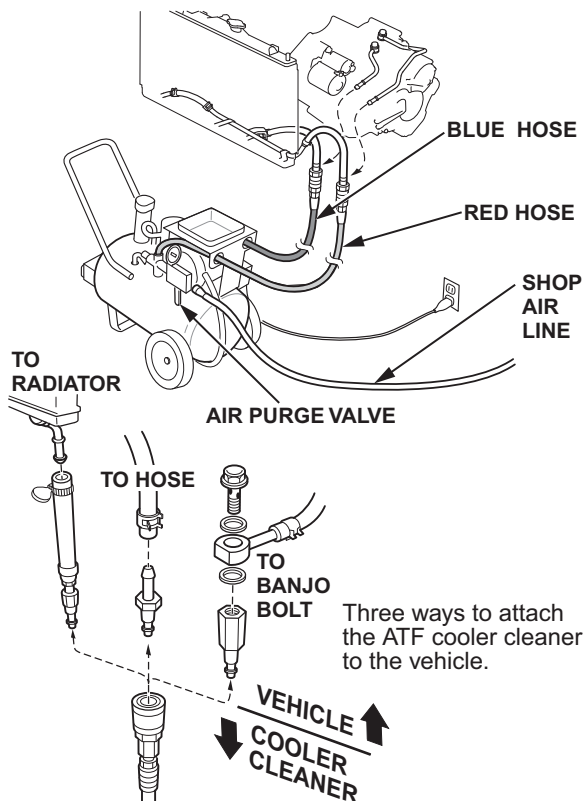
Always wear eye protection and protective clothing, and follow all instructions in this bulletin.

1. Plug the ATF cooler cleaner into a 110 V grounded electrical outlet.

NOTICE

Make sure the outlet has no other appliances (light fixtures, drop lights, extension cords) plugged into it. Also, *never* plug the cooler cleaner into an extension cord or drop light cord; you would damage the unit.

2. Flip the **HEAT** toggle switch to **ON**. Wait **1 hour** for the cooler cleaner to reach its operating temperature. (The cooler cleaner is ready to use when the temperature gauge reads **140° to 150°F**.)
3. Connect the appropriate fittings to the ATF cooler inlet and outlet lines. Connect the red hose to the cooler *outlet* line (the line going to the external filter). Connect the blue hose to the cooler *inlet* line.



4. Connect a shop air hose to the air purge valve.

NOTICE

The quick connect fitting has a one-way check valve to keep ATF from entering your shop's air system. Do not remove or replace the fitting. Attach the coupler provided with the cooler cleaner to your shop air line if your coupler is not compatible.

5. Flip the **MOTOR** toggle switch to **ON**, and let the pump run for **5 minutes**. While the pump is running, open and close the air purge valve periodically to cause agitation and improve the cleaning process.
6. Flip the **MOTOR** toggle switch to **OFF** with the air purge valve open. Leave the air purge valve open for at least **15 seconds** to purge the lines of residual ATF.
7. Disconnect the red and blue hoses from the ATF cooler, then connect the red hose to the cooler *inlet* line.
8. Connect the blue hose to the cooler *outlet* line.
9. Flip the **MOTOR** toggle switch to **ON**, and let the pump run for **5 minutes**. While the pump is running, open and close the air purge valve periodically.
10. Flip the **MOTOR** toggle switch to **OFF** with the air purge valve open. Leave the air purge valve open for at least **15 seconds** to purge the lines of residual ATF.
11. Disconnect the red and blue hoses from the ATF cooler lines. Connect the red and blue hoses to each other.
12. Disconnect the shop air from the air purge valve. Disconnect and stow the coupler if used.
13. Disconnect and stow the fittings from the ATF cooler inlet and outlet lines.
14. Unplug the cooler cleaner from the 110 V outlet.

TOOL MAINTENANCE

Follow these instructions to keep the ATF cooler cleaner working properly:

- Replace the two magnetic nonbypass spin-on filters every 20 hours, based on hour meter reading. For more information on filter replacement, see the January 2008 Honda ServiceNews article, *Hour Meter Tells You When to Replace ATF Cooler Cleaner Filters*.
 - Fill the tank so the ATF is **4.5 inches** from the top of the filler hole; do not overfill.
- NOTE: If the fluid level is low, the red indicator above the **HEAT** toggle switch comes on and the tank heater will not work.
- Replace the ATF in the tank when it looks dark or dirty.